

STERIS[®]



OPERATOR MANUAL

MAJOR SURGICAL TABLE

• 2080[®] L • 2080[®] RC

(2/11/99)

P-150552-001

Rev. 4

LIMITATIONS AND LIABILITY AND INDEMNITY

In no case, whether as a result of a Breach of Contract, Breach of Warranty or Tort (including STERIS's or customer's willful acts or negligence or strict liability) shall STERIS or customer be liable to the other for any consequential or incidental damages incurred by the other, including, but not limited to, loss of revenue, profits or goodwill. However, nothing contained in this agreement is intended to relieve either STERIS or customer from claims, liability, damages or expenses resulting from bodily injury, including death, or from property damage incurred due to the willful acts, the negligence of or the strict liability of that party.

STERIS agrees to defend, indemnify and hold customer harmless from any and all claims, liability, damages or expenses due to personal injuries, including death, to employees of STERIS and customer and to third parties and for property damage to the extent of the willful acts or the negligence of STERIS or the strict liability of STERIS caused by the acts or omissions of STERIS. Customer agrees to defend, indemnify and hold STERIS harmless from any and all claims, liability, damages or expenses due to personal injuries, including death, to employees of customer and STERIS and to third parties and from property damage to the extent of the willful acts or the negligence of customer or the strict liability of customer caused by the acts or omissions of customer.

WARNING — COPYING PROHIBITED

This manual is protected by Federal Copyright Law, which provides for damages of up to \$20,000, as well as criminal fines and imprisonment, for unauthorized copying.

A WORD FROM STERIS CORPORATION

This manual contains important information on the proper use and routine care of Amsco 2080® L and Amsco 2080® RC Surgical Tables. All personnel involved in the use of the tables should carefully review and become familiar with the warnings, cautions and instructions found in this manual, and it should be retained in a conveniently accessible area for quick reference.

Complete UNCRATING INSTRUCTIONS for your table, as well as an EQUIPMENT DRAWING, have been furnished. If you cannot find them – write, fax or telephone STERIS giving the serial, unit and model numbers of the table. Replacement copies will be sent to you promptly.

Intended Use

Amsco 2080® Tables are designed to safely support and position a 300-pound patient with floor locks engaged and body weight appropriately distributed to attain standard surgical positions.

» Advisory

A patient grounding receptacle is provided. The male connector for patient grounding is not furnished by STERIS.

Service Information

A thorough preventive maintenance program is essential to safe and proper table operation. Comprehensive instructions for preventive maintenance can be found in the Maintenance Manual, P-754234-091.

You are encouraged to contact your STERIS representative concerning our Annual Maintenance Agreements. Under terms of this agreement, preventive maintenance, adjustments and replacement of worn parts are done on a scheduled basis, assuring equipment performance at peak capability and avoiding untimely or costly operating room schedule interruptions.

STERIS Engineering Service maintains a global staff of well-equipped, factory-trained technicians to provide this service, as well as expert repair services. Please contact your local STERIS representative for service details.

TABLE OF CONTENTS

Section	Description	Page
1	LISTING OF WARNINGS AND CAUTIONS.....	1-1
2	IMPORTANT USER INFORMATION	2-1
	Pinch Points	2-1
	Patient Positioning Requirements	2-2
3	INSTALLATION.....	3-1
4	OPERATING INSTRUCTIONS	4-1
	Amsco 2080® L Table.....	4-1
	Attach Head Section – 2080 L.....	4-2
	Power Control – 2080 L	4-3
	Emergency Power Failure Positioning – 2080 L	4-5
	Head Section and Kidney Elevator Controls – 2080 L	4-5
	Pads and Accessories – 2080 L.....	4-6
	Amsco 2080® RC Table.....	4-7
	Power Control – 2080 RC	4-7
	Attach Head Section – 2080 RC.....	4-8
	Remote Control Unit – 2080 RC	4-9
	Secondary Controls – 2080 RC	4-11
	Emergency Power Failure Positioning – 2080 RC	4-13
	Head Section and Kidney Elevator Controls – 2080 RC	4-13
	Pads and Accessories – 2080 RC.....	4-14
5	ROUTINE MAINTENANCE.....	5-1
	Daily Cleaning/Disinfecting Procedures	5-1
	Weekly Cleaning Procedure	5-2
6	PREVENTIVE MAINTENANCE.....	6-1
	Monthly Preventive Maintenance	6-1
	Quarterly Preventive Maintenance	6-2
	Semi-Annual.....	6-3
	Preventive Maintenance.....	6-3
7	TROUBLESHOOTING	7-1
8	DISPOSAL HAZARD	8-1

LISTING OF WARNINGS AND CAUTIONS

1

Following is a summary of the safety precautions which must be observed when operating or servicing this table. WARNINGS indicate potential for danger to personnel or patients and CAUTIONS indicate potential for damage to equipment. These precautions are repeated, where applicable, throughout the manual.

WARNING — PINCHING HAZARD:

- ⚠ Pinch points are created during extreme tabletop articulation. Carefully review illustrations in Figure 2-1, Possible Pinch Points, before operating the table.

WARNING — PINCHING AND TIPPING HAZARD:

- ⚠ Patient injury may result if the operator of this table is not completely familiar with the controls for patient positioning and table operation.

WARNING — TIPPING HAZARD:

- ⚠ Do not place patient on the table unless floor locks are engaged.
- ⚠ Do not release floor locks while patient is on table.
- ⚠ Do not exceed 300-pound maximum patient weight.
- ⚠ Do not place obese patients (reversed) on a reversed head section (see Figure 2-4).
- ⚠ Always check table stability when patient is reversed on table.

WARNING — PATIENT OR USER INJURY HAZARD:

- ⚠ Possible patient or user injury, as well as table or accessory failure, may result from using STERIS table accessories for other than their stated purpose — or from using, on STERIS tables, accessories manufactured and sold by other companies.
- ⚠ Stabilize table when transferring patient.
- ⚠ Unanticipated table movement could cause patient injury. Patient must be secured to the table in accordance with recommended positioning practices.
- ⚠ Health care professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways or circulation.
- ⚠ When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use worn or damaged accessory. Check installation before using any accessory.

WARNING — EXPLOSION HAZARD:

- ⚠ Do not use these tables in the presence of flammable gases or flammable anesthetics.

WARNING — TRIPPING HAZARD:

- ⚠ Route power cord to receptacle in a position so that it will not be tripped over by personnel in the area.

WARNING — FAILURE HAZARD:

-  The safe and reliable operation of this equipment requires regularly scheduled preventive maintenance *in addition to the faithful performance of the routine maintenance described in this manual*. Contact STERIS Engineering Service to schedule preventive maintenance by an experienced, fully trained service technician.
-  Repairs and adjustments must be performed only by experienced personnel, fully acquainted with this equipment. Maintenance done by inexperienced, unqualified personnel or installation of unauthorized parts could cause personal injury, invalidate the warranty, or result in costly damage. Contact your STERIS Engineering Service or sales representative regarding service options.

WARNING — INFECTION HAZARD:

-  Rubber or plastic gloves, masks and eye protection must be worn and OSHA blood-borne pathogens standards followed when cleaning, to protect against aerosols being reflected from contaminated surfaces.

WARNING — PATIENT OR USER INJURY OR EQUIPMENT DAMAGE HAZARD:

-  When moving the table, do not run the table into solid objects such as doors, doorways, walls, anchored equipment or other heavy equipment. Structural failure may result or damage may occur to the table which may result in later structural failure resulting in personal injury. This damage may not be immediately evident.

WARNING — DISPOSAL HAZARDS IN TABLES:

-  This product contains materials which may require disposal through appropriately licensed and permitted hazardous waste management firms. See Section 8 for materials listing.

CAUTION — PERSONNEL OR EQUIPMENT DAMAGE:

-  Use only recommended cleaners/disinfectants on Amsco tables. Do not use phenolics, which may cause patient skin burns if inadequately rinsed off, or alcohol which does not have sufficient cleaning/disinfection properties.
-  Read the label of aerosol can thoroughly and follow all directions and cautions as shown.
-  Cleaning procedures requiring articulation of the table should be performed only by persons familiar with table operation.
-  During some extreme articulations, the tabletop or leg section and leg section lever arms may contact the base and/or column shrouds. Take care to avoid positioning the table in such a way as to cause damage to the shrouds.
-  After performing cleaning procedures, ensure pads and X-ray tops are completely dry before reinstalling. Moisture trapped between pads and X-ray tops may contribute to equipment damage, such as X-ray top warpage.
-  Do not spray cleaning fluid into patient grounding receptacle, or into any receptacle contact. Doing so may cause corrosion and loss of function.
-  Do not force POWER pedal during emergency operation without first positioning one of the control levers. Failure to do so will cause undue strain on POWER pedal.

Pinch Points

⚠ WARNING – PINCHING HAZARD: Pinch points are created during extreme tabletop articulation. Carefully review illustrations in Figure 2-1, Possible Pinch Points, before operating the table.

During extreme tabletop articulation, eight possible pinch points exist. These points are identified in Figure 2-1.

All personnel involved in tabletop positioning should examine and be aware of these points before operating the Table.

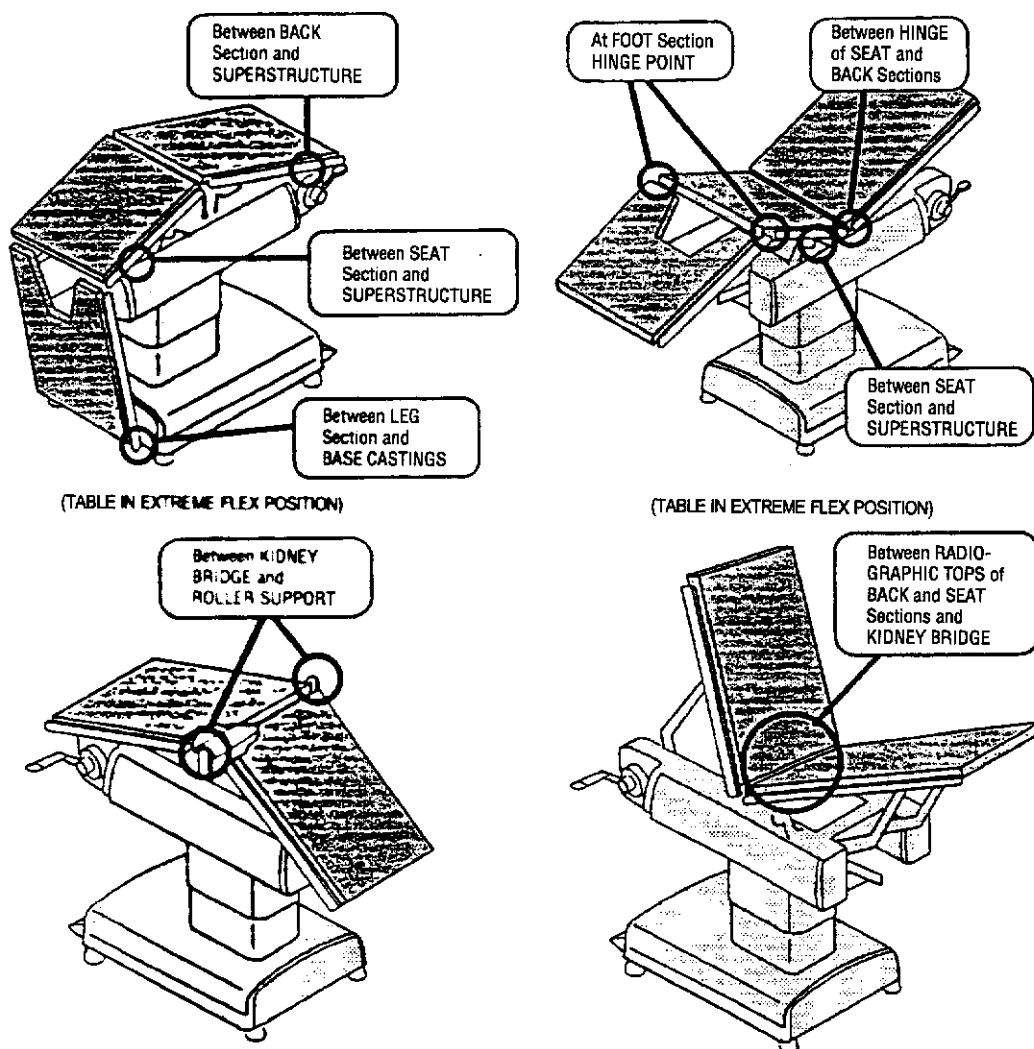


Figure 2-1. Possible Pinch Points

Patient Positioning Requirements

⚠ WARNING – PINCHING AND TIPPING HAZARD: Patient injury may result if the operator of this table is not completely familiar with the controls for patient positioning and table operation.

⚠ WARNING – TIPPING HAZARD:

- Do not place patient on the table unless floor locks are engaged.
- Do not release floor locks while patient is on table.
- Do not exceed 300-pound maximum patient weight.
- Do not place obese patients (reversed) on a reversed head section (see Figure 2-4).
- Always check table stability when patient is reversed on table.

⚠ WARNING – PATIENT OR USER INJURY HAZARD:

- Stabilize table when transferring patient.
- Health care professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways or circulation.

This Table is designed to safely support and position a 300-pound patient with body weight appropriately distributed to attain standard surgical positions typical of those shown in STERIS literature. This same design criteria is applied to Amsco brand accessories used with this Table.

Normal Patient Orientation

- Do not exceed 300 pounds maximum patient weight.
- Do not use Table unless floor locks are engaged.
- Do not attempt to move Table while patient is on it.
- Do not extend (lengthen) the patient support surface beyond that shown (refer to Figure 2-2).
- Have a qualified medical professional monitor patients during surgery for all possible patient positioning hazards.

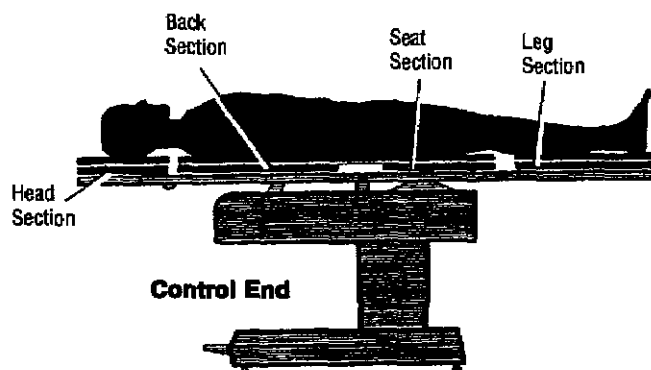


Figure 2-2. Normal Patient Orientation

⚠ WARNING – PINCHING AND TIPPING HAZARD: Patient injury may result if the operator of this table is not completely familiar with the controls for patient positioning and table operation.

⚠ WARNING – TIPPING HAZARD:

- Do not place patient on the table unless floor locks are engaged.
- Do not release floor locks while patient is on table.
- Do not exceed 300-pound maximum patient weight.
- Do not place obese patients (reversed) on a reversed head section (see Figure 2-4).
- Always check table stability when patient is reversed on table.

⚠ WARNING – PATIENT OR USER INJURY HAZARD:

- Stabilize table when transferring patient.
- Health care professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways or circulation.

Reverse Patient Orientation

- Observe all normal patient orientation guidelines (see Figure 2-3).
- Do not use reversed head section for obese patients (see Figure 2-4).
- Always check Table stability when patient is positioned.
- Have a qualified medical professional monitor patients during surgery for all possible patient positioning hazards.
- Leg, Flex, and Reverse Flex may not operate unassisted with a reversed patient.

Other Considerations

- Use extreme care when transferring patients to or from Table.
- Check that all accessories are properly installed and secured.
- Check for and eliminate harmful patient pressure points once patient is positioned.

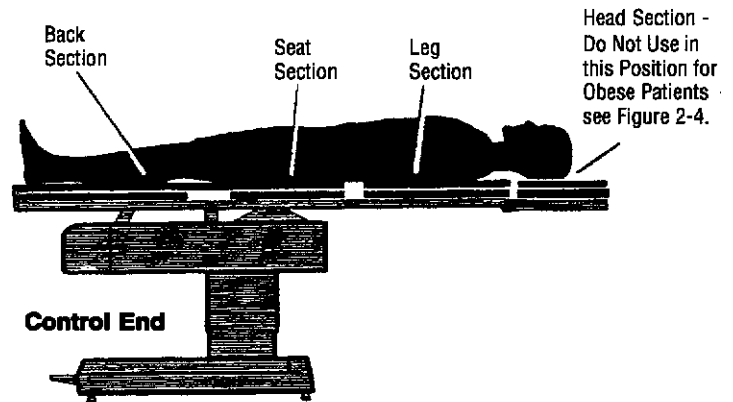


Figure 2-3. Non-Obese Reverse Patient Orientation

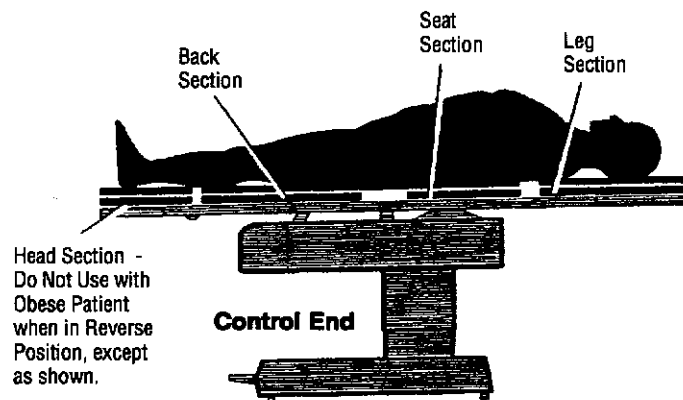


Figure 2-4. Obese Reverse Patient Orientation

⚠ WARNING – EXPLOSION HAZARD: Do not use these tables in the presence of flammable gases or flammable anesthetics.

⚠ WARNING – TRIPPING HAZARD: Route power cord to receptacle in a position so that it will not be tripped over by personnel in the area.

⚠ WARNING – PATIENT OR USER INJURY OR EQUIPMENT DAMAGE HAZARD: When moving the table, do not run the table into solid objects such as doors, doorways, walls, anchored equipment or other heavy equipment. Structural failure may result or damage occur to the table which may result in later structural failure resulting in personal injury. This damage may not be immediately evident.

1. Place Table in desired location.
2. Fully depress LOCK pedal. (This will lock Table in position by lowering the floor locks. Table will remain locked [immobile] until pedal is again fully depressed and then released.)

NOTE: Floor locks are factory-adjusted for a level surface. However, as floor surfaces may vary, readjustment may be required. When properly adjusted, locks should engage simultaneously. Casters should not clear floor (i.e., they should not swing freely with Table in locked position).

3. Check floor locks. Be sure each is snug against floor. If necessary, adjust floor locks as follows:
 - a. Place LOCK pedal in its up (unlocked) position. Using a wrench, screw floor locks into base as far as possible (see Figure 3-1).

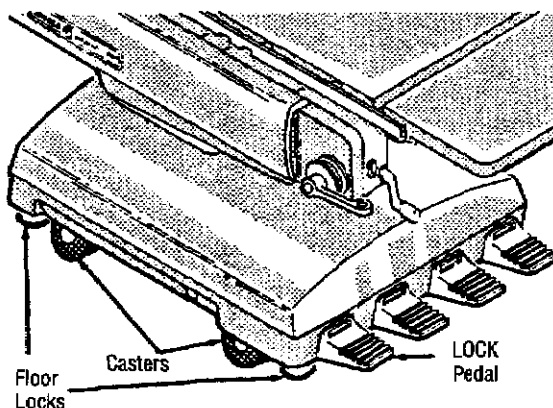


Figure 3-1. Locating Table

- b. Place LOCK pedal in its down (locked) position. Unscrew floor locks until they are snug against the floor (see Figure 3-2).
- c. Place LOCK pedal in its up position. Unscrew floor locks an additional 1/2 turn.
- d. Operate LOCK pedal through several cycles. Operation should be smooth and positive; Table should rise evenly as floor locks are actuated. With locks engaged, Table should not rock or move when normal forces are applied. You may also find that a further 1/4 turn in either direction will "fine tune" the operation.
- e. Insert plug on power cord into wall receptacle (120 volt, 60 Hz).

» Installation Checkout

After installing the 2080 Table, contact your STERIS representative — who will gladly schedule a checkout and test of your installation and show the persons designated how to operate the equipment.

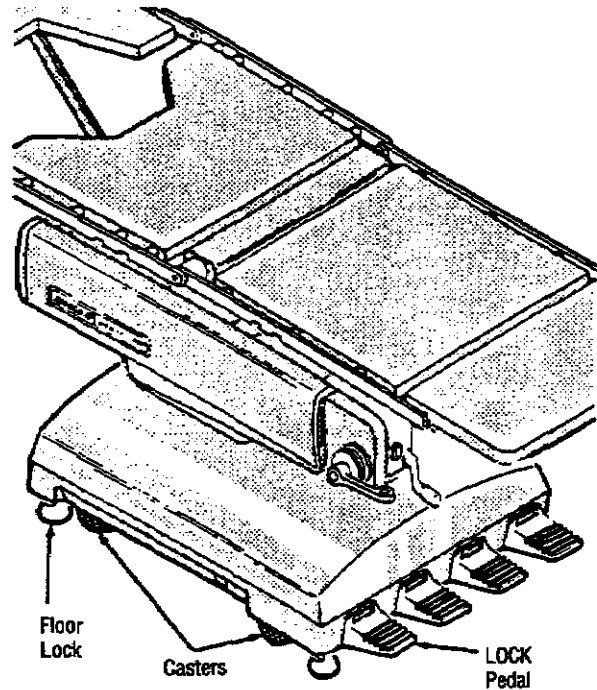


Figure 3-2. Floor Locks Lowered

Amsco 2080® L Table

NOTE: The 2080 Table is designed to accommodate a (maximum) 300-pound load, distributed as follows: head section, 25 lbs; back section, 100 lbs; seat section, 140 lbs; and foot section, 35 lbs.

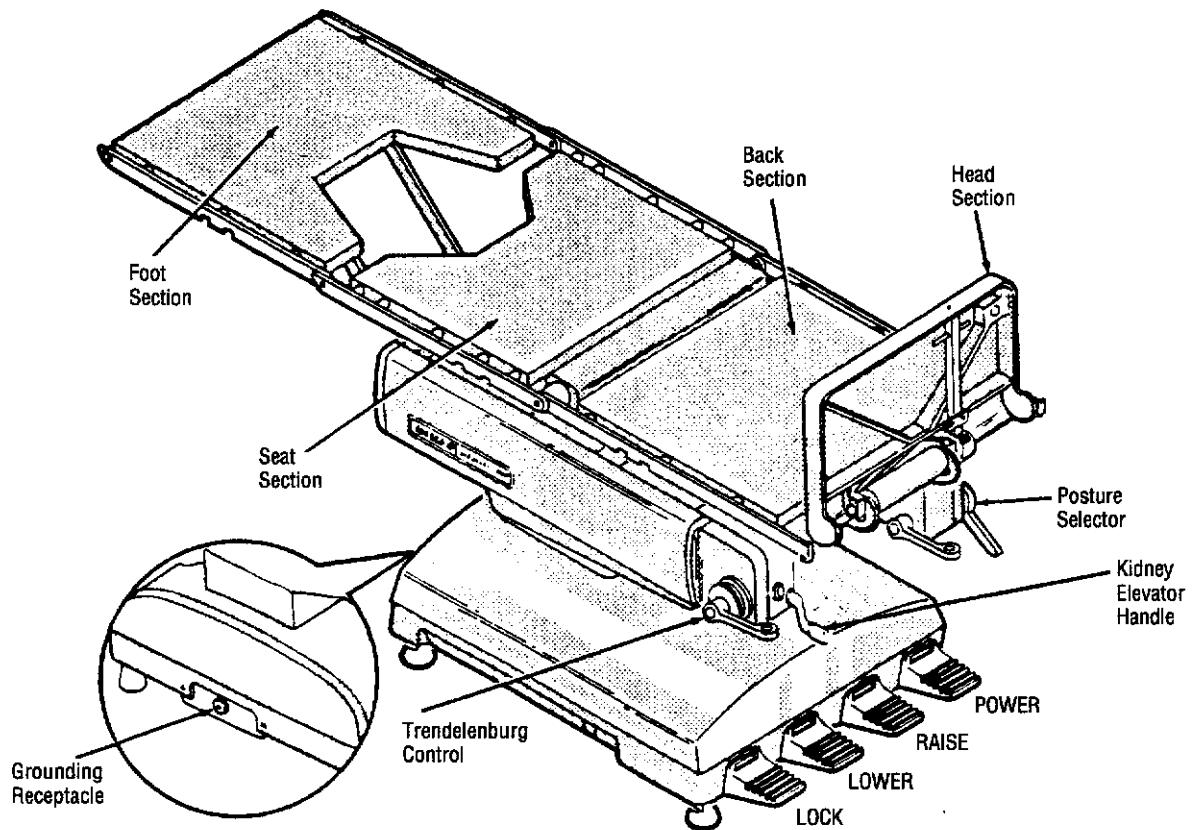


Figure 4-1. 2080 L Table

Attach Head Section - 2080 L

WARNING – PINCHING HAZARD: Pinch points are created during extreme tabletop articulation. Carefully review illustrations in Figure 2-1, Possible Patient Pinch Points, before operating the table.

WARNING – PINCHING AND TIPPING HAZARD: Patient injury may result if the operator of this table is not completely familiar with the controls for patient positioning and table operation.

WARNING – TIPPING HAZARD:

- Do not place patient on the table unless floor locks are engaged.
- Do not release floor locks while patient is on table.
- Do not exceed 300-pound maximum patient weight.
- Do not place obese patients (reversed) on the head/foot section (see Figure 2-4).
- Always check table stability when patient is reversed on table.

WARNING – PATIENT OR USER INJURY HAZARD:

- Possible patient or user injury, as well as table or accessory failure, may result from using AMSCO table accessories for other than their stated purpose or from using, on AMSCO tables, accessories manufactured and sold by other companies.
- Stabilize table when transferring patient.
- Unanticipated table movement could cause patient injury. Patient must be secured to the table in accordance with recommended positioning practices.

NOTE: Thumbscrews located under tabletop frame must be loosened before Head Section can be attached or removed.

Attach Head Section as follows (see Figure 4-2):

1. Fully insert rods extending from side of Head Section attachment into the bores provided in the tabletop frame.
2. Reach under tabletop frame and fully tighten the two thumbscrews to secure the Head Section attachment in place.
3. Check to assure Head Section has been securely locked.

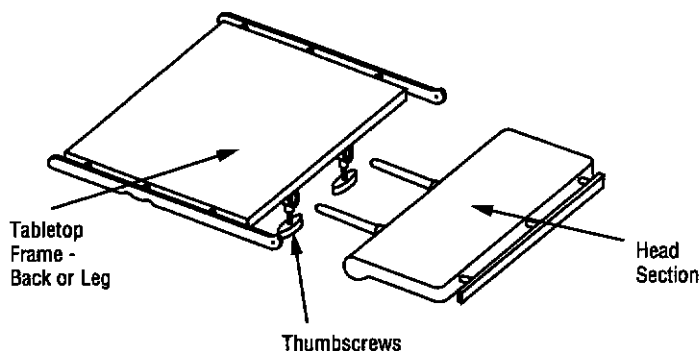


Figure 4-2. Attach Head Section

Power Control - 2080 L

» Back-Side-Foot-FlexControl

⚠ WARNING – PATIENT OR USER INJURY HAZARD (continued):

- Health care professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways or circulation.
- When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use worn or damaged accessory. Check installation before using any accessory.

⚠ WARNING – EXPLOSION HAZARD: Do not use these tables in the presence of flammable gases or flammable anesthetics.

WARNING – TRIPPING HAZARD: Route power cord to receptacle in a position so that it will not be tripped over by personnel in the area.

⚠ WARNING – PATIENT OR USER INJURY OR EQUIPMENT DAMAGE HAZARD: When moving the table, do not run the table into solid objects such as doors, doorways, walls, anchored equipment or other heavy equipment. Structural failure may result or damage may occur to the table which may result in later structural failure resulting in personal injury. This damage may not be immediately evident.

⚠ CAUTION: During some extreme articulations, the tabletop or leg section and leg section lever arms may contact the base and/or column shrouds. Take care to avoid positioning the table in such a way as to cause damage to the shrouds.

All controls are conveniently located at the Table head end. Two simple control levers provide complete maneuverability of tabletop. On the right side is the BACK-SIDE-FOOT-FLEX selector control — on the left side, the TRENDLENBURG/REVERSE TRENDLENBURG control. Both control levers are within easy reach of the anesthesiologist. Clearly identified foot pedals allow the Table to be RAISED or LOWERED through an 18" range.

(See Figure 4-3)

1. Move Selector Lever to BACK, SIDE, FOOT or FLEX.
2. Move Control Lever up or down to actuate table section selected. (Direction that lever is moved will govern direction of tabletop movement.)
3. Depress and hold POWER pedal.
4. Release of Control Lever or POWER pedal automatically stops tabletop and locks it in position.

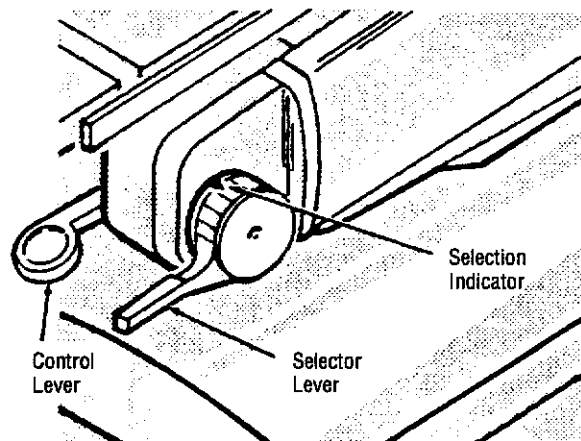


Figure 4-3. Posture Selector

» **Trendelenburg/Reverse
Trendelenburg Control**

(See Figure 4-4)

1. Lower Control Lever for Trendelenburg positioning — raise for Reverse Trendelenburg positioning. (Direction that lever is moved will govern direction of tabletop movement.)
2. Depress and hold POWER pedal.
3. Release of Control Lever or POWER pedal automatically stops tabletop and locks it in position.

NOTE: An easy-to-read Tilt Indicator shows degree of angulation.

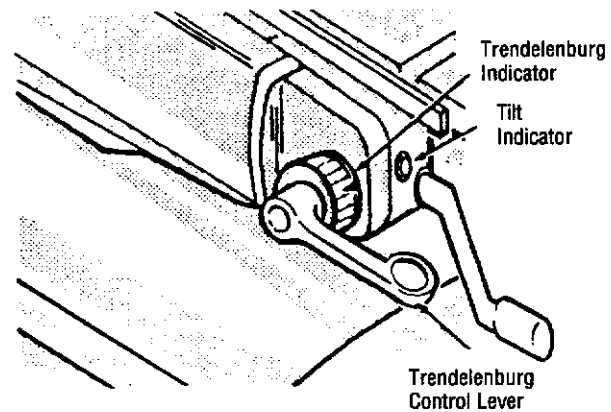


Figure 4-4. Trendelenburg Control

» **Raise-Lower Control**

(See Figure 4-5)

1. Depress RAISE pedal to elevate tabletop — depress LOWER pedal to lower tabletop.
2. Release of RAISE or LOWER pedal automatically stops tabletop and locks it in position.

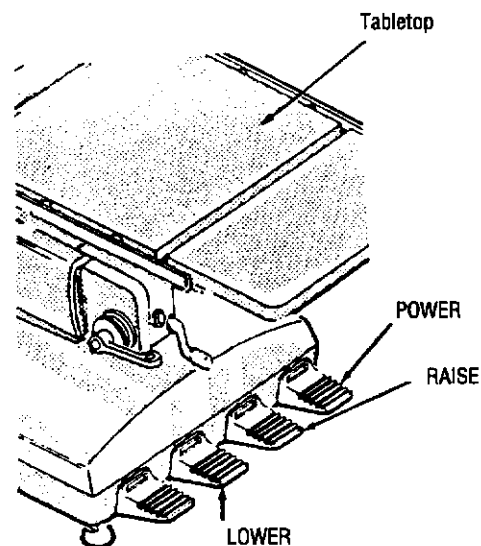


Figure 4-5. Raise-Lower Control

Emergency Power Failure Positioning - 2080 L

CAUTION: Do not force POWER pedal during emergency operation without first positioning one of the control levers. Failure to do so will cause undue strain on POWER pedal.

Emergency operation is the same as POWER CONTROL, except:

1. Position tabletop as follows:
 - a. Select tabletop section to be positioned.
 - b. Actuate Control Lever.
 - c. Pump POWER pedal.
2. To elevate tabletop, pump RAISE pedal.

Head Section and Kidney Elevator Controls - 2080 L

» Head Section Control

(See Figure 4-6)

These controls must be manually operated. The Head Section has a Position-Control Ratchet located beneath the Head Section. The Kidney Elevator Crank Handle is adjacent to the Trendelenburg Control Lever.

1. Pull the Release Handle (spring-loaded) toward the Table head end.
2. Place the Head Section in desired position.
3. Release the Handle to lock the Head Section in position.

» Kidney Elevator Control

Turn Crank Handle clockwise to raise Kidney Elevator, or turn counterclockwise to lower.

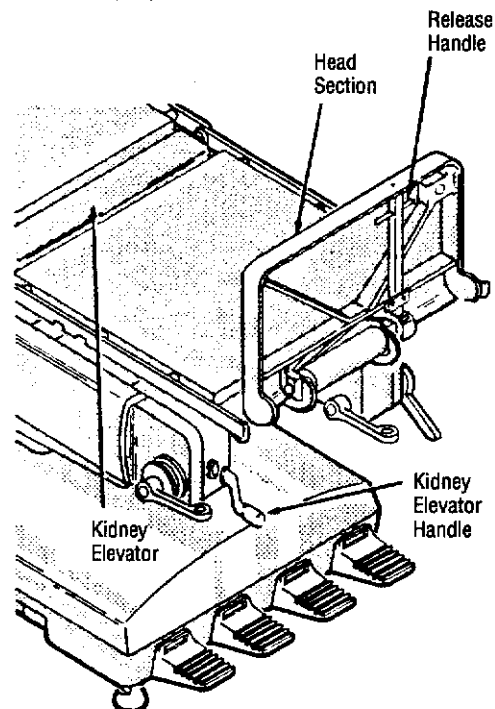


Figure 4-6. Head Section and Kidney Elevator Controls

Pads and Accessories - 2080 L

» Pads

(See Figure 4-7)

The conductive rubber mattress pads are backed with *Velcro** strips which fasten to opposing strips on the tabletop.

1. To install, place pad in position and press *Velcro* strips together.
2. To remove, "peel" pad away from tabletop.

» Accessories



WARNING – POSSIBLE PATIENT OR USER INJURY:

- Possible patient or user injury, as well as table or accessory failure, may result from using AMSCO table accessories for other than their stated purpose - or from using, on AMSCO tables, accessories manufactured and sold by other companies.
- When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use worn or damaged accessory. Check installation before using any accessory.

Removable accessories are positioned and secured by clamps or sockets which are applied to (and slide along) the side rails.

1. To install, place clamp (or socket) on side rail and lock in position with knob (or handle) provided.
2. To remove clamp (or socket) from the side rail, loosen knob (or handle) and slide clamp (or socket) along rail until a notch is reached; then remove clamp.

NOTE: Clamp (or socket) may also be removed from the end of side rail by lowering the stop.

3. If table includes X-ray top, refer to P-79779-001, Equipment Instructions (supplied with top) for proper installation procedure.

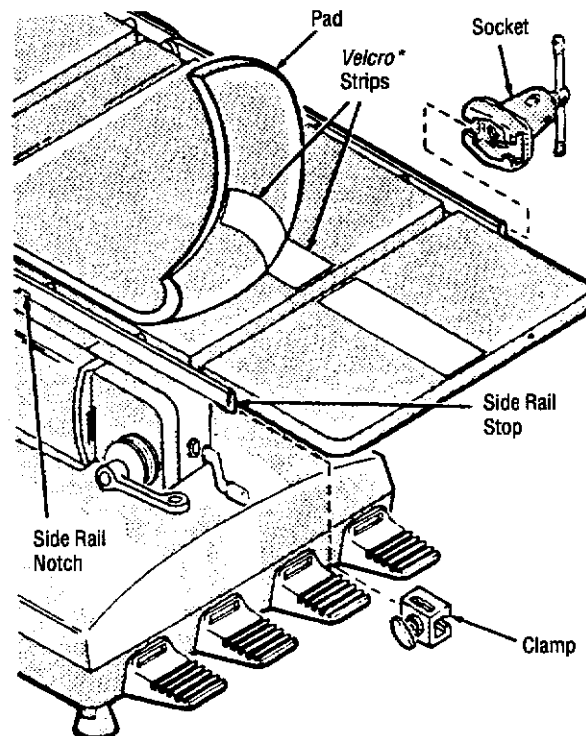


Figure 4-7. Pads and Accessories

*Registered trademark of Velcro Corporation.

Amsco 2080® RC Table

NOTE: The 2080 Table is designed to accommodate a (maximum) 300-pound load, distributed as follows: head section, 25 lbs; back section, 100 lbs; seat section, 140 lbs; and foot section, 35 lbs.

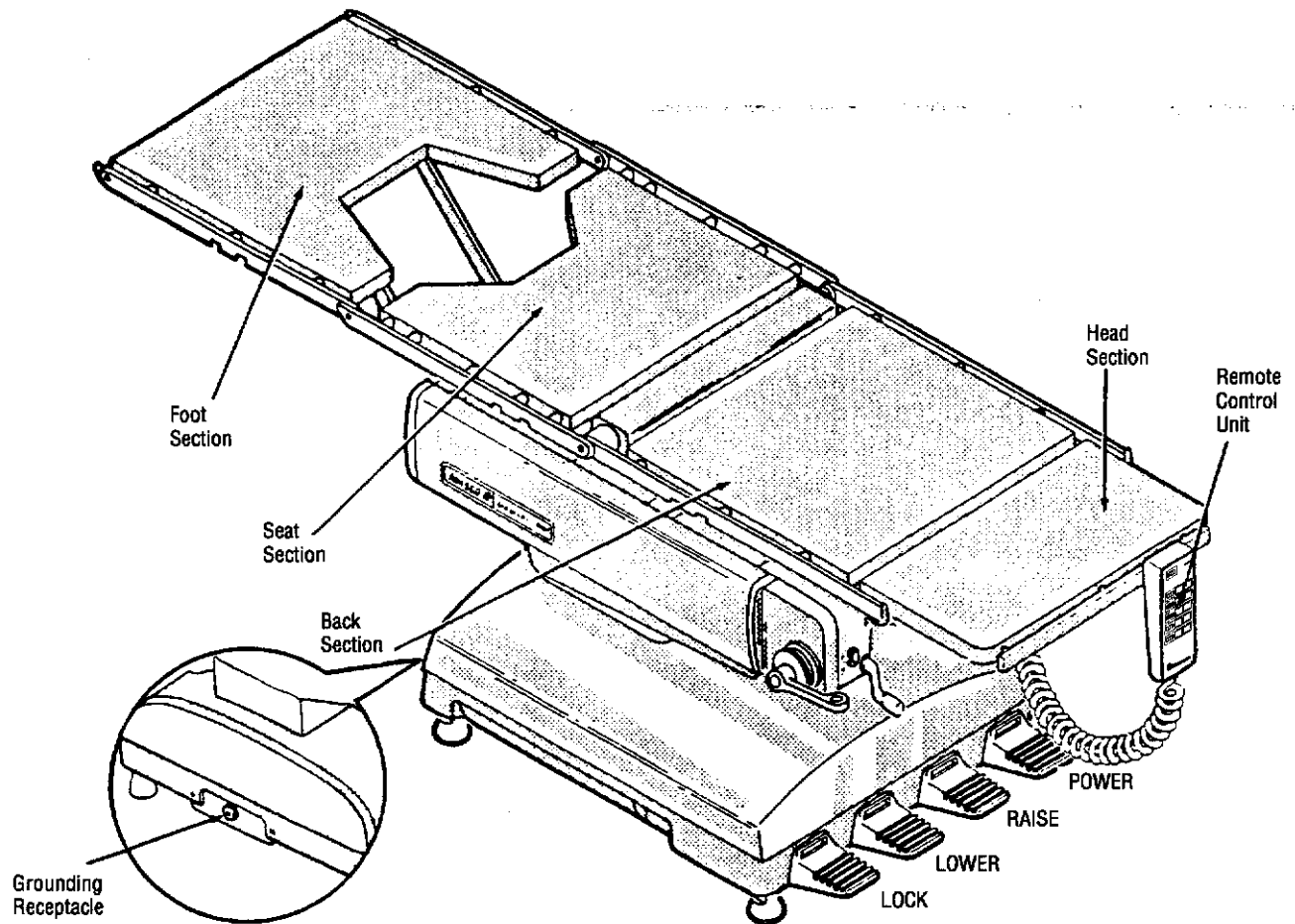


Figure 4-8. 2080 RC Table

Power Control - 2080 RC

Power Control is provided through a remote control unit at a point outside the surgical field. (The remote control unit attaches to Table when not in use.) Secondary controls, at head end of Table, may be used if required. A second control receptacle is also provided for an optional foot control. (See Figure 4-14.)

Attach Head Section - 2080 RC

WARNING – PINCHING HAZARD: Pinch points are created during extreme tabletop articulation. Carefully review illustrations in Figure 2-1, Possible Pinch Points, before operating the table.

WARNING – PINCHING AND TIPPING HAZARD: Patient injury may result if the operator of this table is not completely familiar with the controls for patient positioning and table operation.

WARNING – TIPPING HAZARD:

- Do not place patient on the table unless floor locks are engaged.
- Do not release floor locks while patient is on table.
- Do not exceed 300-pound maximum patient weight.
- Do not place obese patients (reversed) on the head/foot section (see Figure 2-4).
- Always check table stability when patient is reversed on table.

WARNING – PATIENT OR USER INJURY HAZARD:

- Possible patient or user injury, as well as table or accessory failure, may result from using STERIS table accessories for other than their stated purpose or from using, on STERIS tables, accessories manufactured and sold by other companies.
- Stabilize table when transferring patient.
- Unanticipated table movement could cause patient injury. Patient must be secured to the table in accordance with recommended positioning practices.

NOTE: Thumbscrews located under tabletop frame must be loosened before Head Section can be attached or removed.

Attach Head Section as follows (see Figure 4-9):

1. Fully insert rods extending from side of Head Section attachment into the bores provided in the tabletop frame.
2. Reach under tabletop frame and fully tighten the two thumbscrews to secure the Head Section attachment in place.
3. Check to assure Head Section has been securely locked.

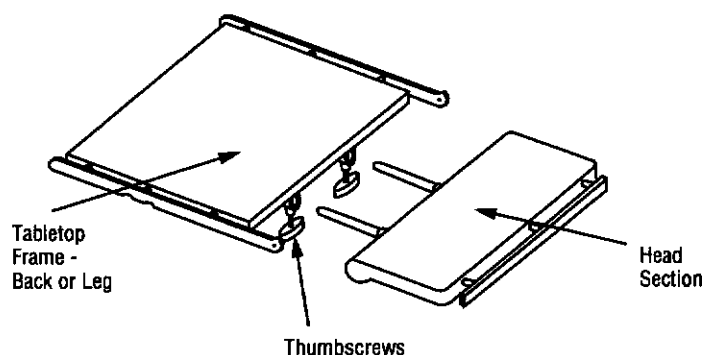


Figure 4-9. Attach Head Section

Remote Control Unit - 2080 RC

(See Figure 4-10)

HEAD (Trendelenburg/Reverse Trendelenburg), HEIGHT (Raise-Lower), BACK, SIDE, FOOT, and FLEX switches automatically provide desired type and direction (as indicated on each switch) of tabletop movement. A pilot light indicates when remote control unit is energized.

WARNING – PATIENT OR USER INJURY HAZARD (continued):

- Health care professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways or circulation.
- When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use worn or damaged accessory. Check installation before using any accessory.

WARNING – EXPLOSION HAZARD: Do not use these tables in the presence of flammable gases or flammable anesthetics.

WARNING – TRIPPING HAZARD: Route power cord to receptacle in a position so that it will not be tripped over by personnel in the area.

WARNING – PATIENT OR USER INJURY OR EQUIPMENT DAMAGE HAZARD: When moving the table, do not run the table into solid objects such as doors, doorways, walls, anchored equipment or other heavy equipment. Structural failure may result or damage may occur to the table which may result in later structural failure resulting in personal injury. This damage may not be immediately evident.

CAUTION: During some extreme articulations, the tabletop or leg section and leg section lever arms may contact the base and/or column shrouds. Take care to avoid positioning the table in such a way as to cause damage to the shrouds.

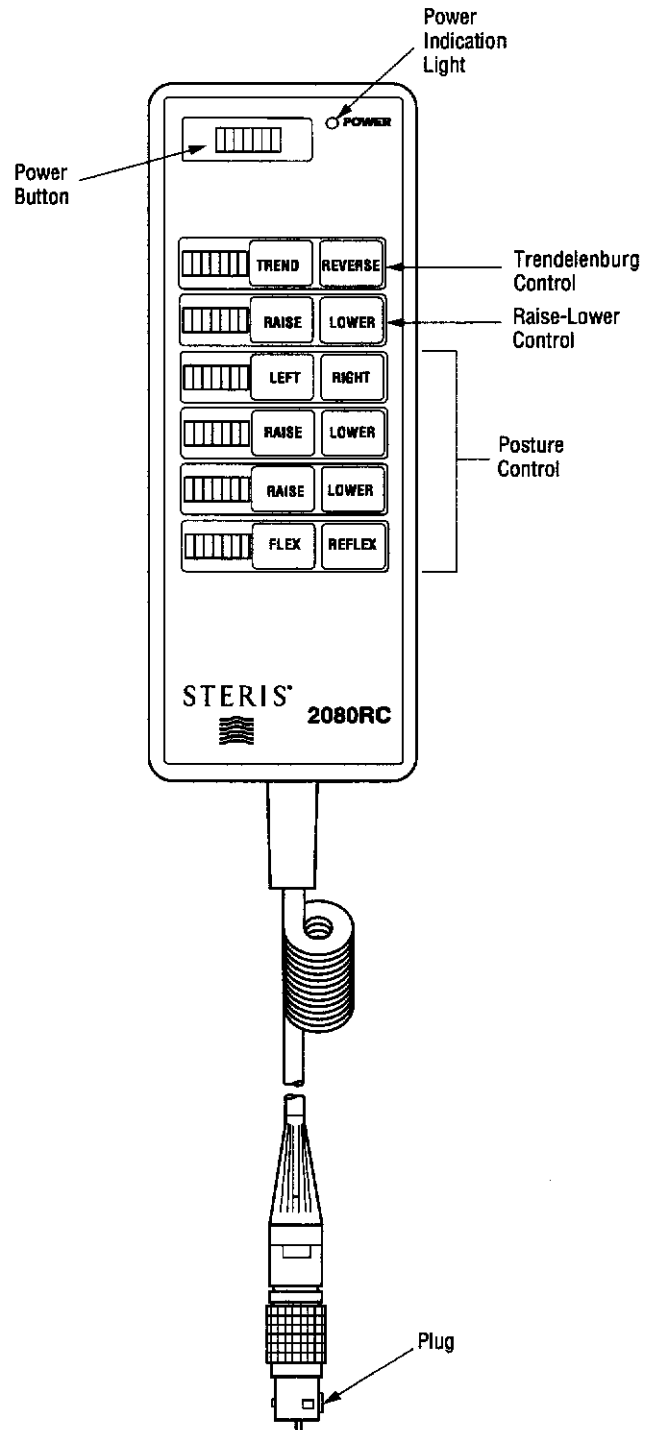


Figure 4-10. Remote Control Unit

**» Head Down (Trendelenburg) -
Head Up (Reverse
Trendelenburg) Control**

1. Push and hold HEAD switch. (Direction that switch is pushed will govern direction of tabletop movement.)
2. Push and hold POWER button.
3. Release of HEAD switch or POWER button automatically stops tabletop and locks it in position.

NOTE: An easy-to-read Tilt Indicator (on the Table) shows degree of angulation.

» Raise-Lower Control

1. Push and hold HEIGHT switch. (Direction that switch is pushed will govern direction of tabletop movement.)
2. Push and hold POWER button.
3. Release of HEIGHT switch or POWER button automatically stops tabletop and locks it in position.

» Back-Side-Foot-Flex Control

1. Push and hold the BACK, SIDE, FOOT, or FLEX switch. (Direction that switch is pushed will govern direction of tabletop movement.)
2. Push and hold POWER button.
3. Release of Position switch or POWER button automatically stops tabletop and locks it in position.

NOTE: Dual safety control is purposely designed to eliminate accidental movement of tabletop during surgery.

Secondary Controls - 2080 RC

Two simple control levers provide complete maneuverability of tabletop. The TRENDELENBURG/REVERSE TRENDELENBURG control is on the left side; the BACK-SIDE-FOOT-FLEX control is on the right. Both control levers are within easy reach of the anesthetologist. Clearly identified foot pedals allow Table to be RAISED or LOWERED through an 18-inch range.

» Trendelenburg/Reverse Trendelenburg Control

(See Figure 4-11)

1. Lower Control Lever for Trendelenburg positioning, or raise lever for Reverse Trendelenburg positioning.
2. Depress and hold POWER pedal.
3. Release of Control Lever or POWER pedal automatically stops tabletop and locks it in position.

NOTE: An easy-to-read Tilt Indicator shows degree of angulation.

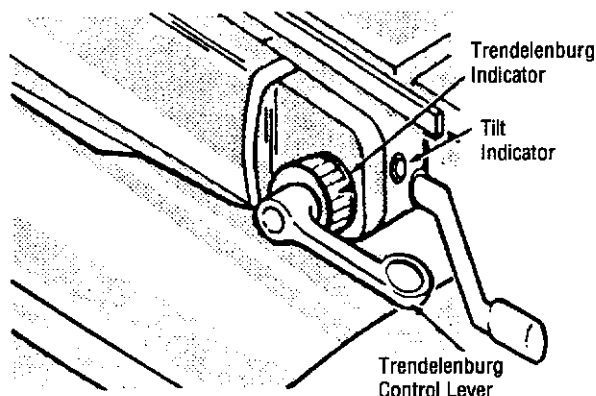


Figure 4-11. Trendelenburg Control

» Raise-Lower Control

(See Figure 4-12)

1. Depress RAISE pedal to elevate tabletop, or depress LOWER pedal to lower tabletop.
2. Release of RAISE or LOWER pedal automatically stops tabletop and locks it in position.

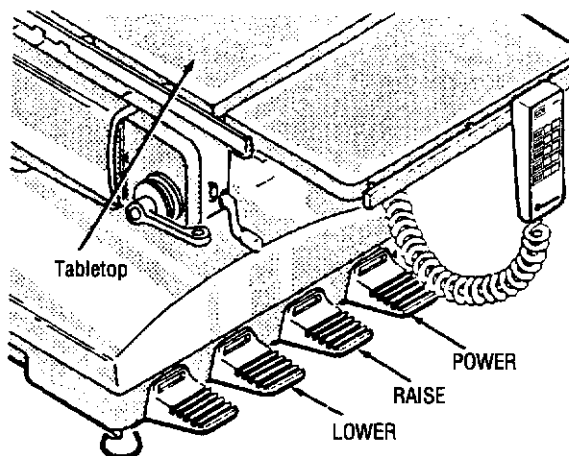


Figure 4-12. Raise-Lower Control

» **Back-Side-Foot-Flex Control** (See Figure 4-13)

1. Push in and turn Selector Crank for BACK, SIDE, FOOT or FLEX position.
2. Move Control Lever to actuate table section selected. (Direction that lever is moved will govern direction of tabletop movement.)
3. Depress and hold POWER pedal.
4. Release of Control Lever or POWER pedal automatically stops tabletop and locks it in position.

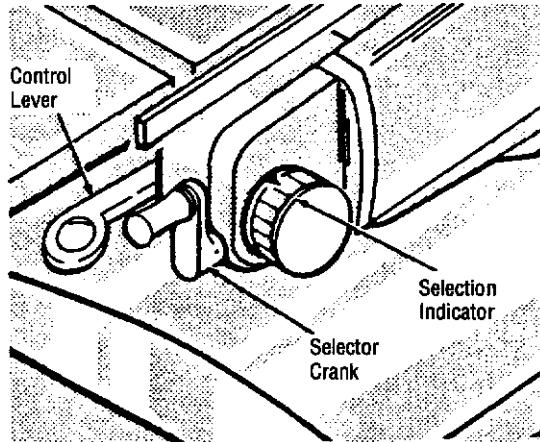


Figure 4-13. Posture Selector

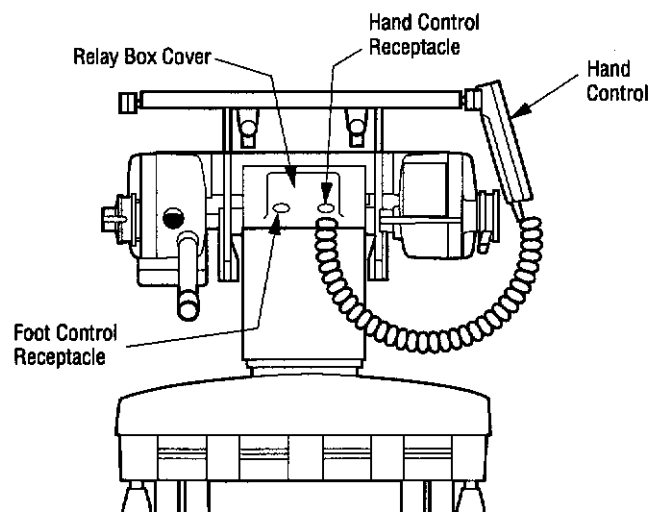


Figure 4-14. Control Receptacles

Emergency Power Failure Positioning - 2080 RC

CAUTION: Do not force POWER pedal during emergency operation without first positioning one of the control levers. Failure to do so will cause undue strain on POWER pedal.

Emergency operation is the same as POWER CONTROL (on Table), except:

1. Position tabletop as follows:
 - a. Select tabletop section to be positioned.
 - b. Actuate Control Lever on Table.
 - c. Pump POWER pedal.
2. To elevate tabletop, pump RAISE pedal.

Head Section and Kidney Elevator Controls - 2080 RC

» Head Section Control

(See Figure 4-15)

These controls must be manually operated. The Head Section has a Position-Control Ratchet located beneath the Head Section. The Kidney Elevator Crank Handle is adjacent to the Trendelenburg Control Lever.

1. Pull the Release Handle (spring-loaded) toward the Table head end.
2. Place the Head Section in desired position.
3. Release the Handle to lock the Head Section in position.

» Kidney Elevator Control

Turn Crank Handle clockwise to raise Kidney Elevator, or counter-clockwise to lower.

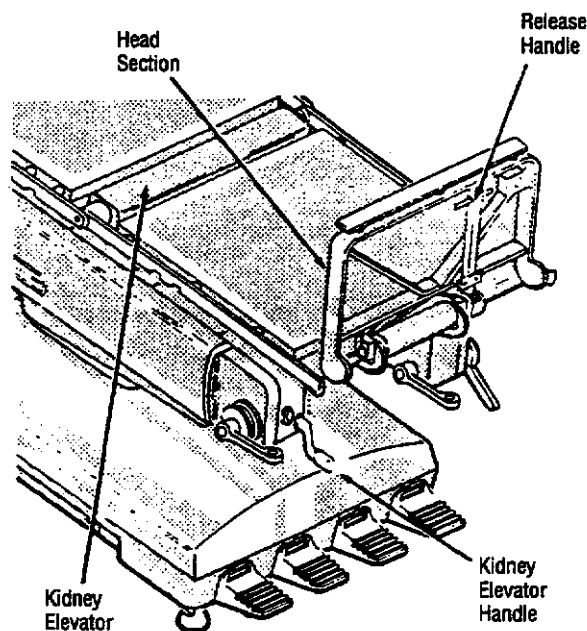


Figure 4-15. Head Section and Kidney Elevator Controls

Pads and Accessories - 2080 RC

» Pads

(See Figure 4-16)

The conductive rubber mattress pads are backed with *Velcro** strips which fasten to opposing strips on the tabletop.

1. To install, place pad in position and press *Velcro* strips together.
2. To remove, "peel" pad away from tabletop.

» Accessories



WARNING – POSSIBLE PATIENT OR USER INJURY:

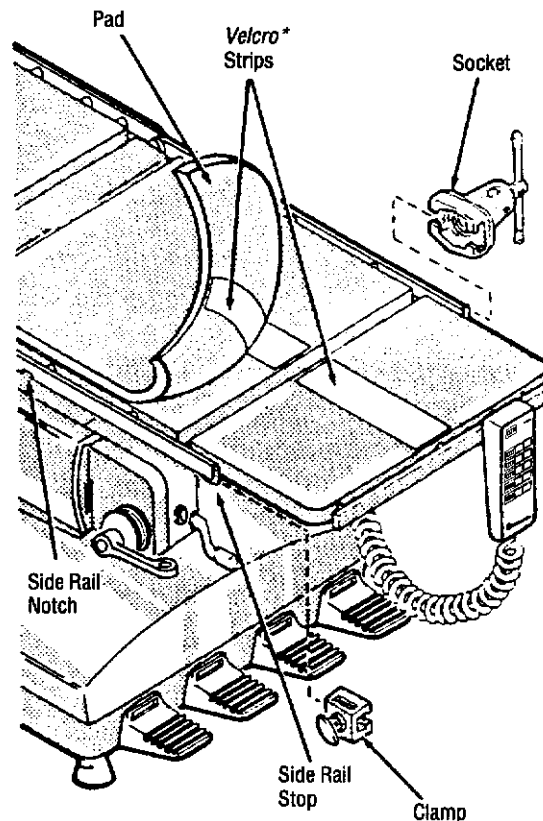
- Possible patient or user injury, as well as table or accessory failure, may result from using STERIS table accessories for other than their stated purpose - or from using, on STERIS tables, accessories manufactured and sold by other companies.
- When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use worn or damaged accessory. Check installation before using any accessory.

Removable accessories are positioned and secured by clamps or sockets which are applied to (and slide along) the side rails.

1. To install, place clamp (or socket) on side rail and lock in position with knob (or handle) provided.
2. To remove clamp (or socket) from the side rail, loosen knob (or handle) and slide clamp (or socket) along rail until a notch is reached, then remove clamp.

NOTE: Clamp (or socket) may also be removed from the end of side rail by lowering the stop.

3. If table includes X-ray top, refer to P-79779-001, Equipment Instructions (supplied with top) for proper installation procedure.



*Registered trademark of Velcro Corporation.

Figure 4-16. Pads and Accessories

WARNING - FAILURE HAZARD: The safe and reliable operation of this equipment requires regularly scheduled preventive maintenance in addition to the faithful performance of the routine maintenance described in this manual. Contact STERIS Engineering Service to schedule preventive maintenance by an experienced, fully trained service technician.

Perform the following procedures at regular intervals, as indicated. This frequency is the minimum and should be increased with increased usage of the Table.

A Preventive Maintenance Agreement is available where maintenance, adjustments, and replacement of worn parts are performed by a qualified technician on a scheduled basis to assure peak equipment performance and avoid unscheduled downtime. Contact your STERIS representative.

Expanded maintenance procedures require reference to the Maintenance Manual, P-754234-091, and should be performed **only** by a qualified technician.

IMPORTANT: If Table is to be placed in extended storage, have table prepared for storage by a qualified service technician.

Daily Cleaning/ Disinfecting Procedures

WARNING - INFECTION HAZARD: Rubber or plastic gloves, masks and eye protection must be worn and OSHA blood-borne pathogens standards followed when cleaning, to protect against aerosols being reflected from contaminated surfaces.

WARNING - PATIENT OR USER INJURY OR EQUIPMENT DAMAGE HAZARD: When moving the table, do not run the table into solid objects such as doors, doorways, walls, anchored equipment or other heavy equipment. Structural failure may result or damage may occur to the table which may result in later structural failure resulting in personal injury. This damage may not be immediately evident.

CAUTION:

- Use only recommended cleaners/disinfectants on Amsco tables. Do not use phenolics, which may cause patient skin burns if inadequately rinsed off, or alcohol which does not have sufficient cleaning/disinfection properties.

Materials Needed:

- Several clean, dry, lint free cloths
- Can of STERIS OR/CS Spray N' Wipe Cleaner (Reorder #NK351, P-400000-721)*
- Container of clean water

NOTE: When using disinfectants, manufacturer's label recommendations must be followed.

Post-Usage Cleaning Procedure

1. Remove gross soil with a disposable cloth and place used cloth in an appropriate biohazardous waste disposal container.
2. Clean tabletop as follows:
 - a. Articulate tabletop to level condition and place at a comfortable working height (See CAUTION at left).
 - b. Remove tabletop pads by pulling up to free them from *Velcro* fasteners and place on another table or flat surface.
 - c. Hold can 6-8 inches from surface and spray cleaning fluid liberally on top and sides of pads. (It is recommended to clean only one pad at a time.)
 - d. Wipe sprayed surfaces with a clean lint free cloth dampened with water to remove cleaning fluid (dampening cloth will minimize streaking).
 - e. Wipe the cleaned surfaces again with a clean damp lint free cloth to remove residue.
 - f. Repeat steps c, d and e for bottom of pads. Repeat steps c, d and e for tabletop surfaces exposed when pads are removed. Thoroughly dry bottom of pads and tabletop surfaces.
 - g. Place pads back onto tabletop by aligning with sides Table and pressing into place on the *Velcro* fasteners.

**Available from your local STERIS representative.*

**CAUTION (continued):**

- **Read the label of aerosol can thoroughly and follow all directions and cautions as shown.**
- **Cleaning procedures requiring articulation of the table should be performed only by persons familiar with table operation.**
- **After performing cleaning procedures, ensure pads and X-ray tops are completely dry before reinstalling. Moisture trapped between pads and X-ray tops may contribute to equipment damage, such as X-ray top warpage.**
- **Do not spray cleaning fluid into patient grounding receptacle, or into any receptacle contact. Doing so may cause corrosion and loss of function.**

3. Raise Table to maximum height to access lower surfaces.
4. Clean column cap and shrouds, and entire base surface as follows:
 - a. Hold can 6-8 inches from surface and spray cleaning fluid liberally on column cap and shrouds.
 - b. Wipe sprayed surfaces with a clean cloth dampened with water to remove cleaning fluid (dampening cloth will minimize streaking).
 - c. Wipe the cleaned surfaces again with a clean, damp, lint-free cloth to remove residue.
 - d. Repeat steps a, b and c for base surface.

End-of-Day Cleaning Procedure

1. Perform all steps of the Post-Usage Cleaning Procedure.
2. Check table casters for any accumulated debris.

////////////////////

**Weekly Cleaning
Procedure**

////////////////////////////////////

1. Perform steps 1-4 of the Post-Usage Cleaning Procedure. Perform step 2 of the End-of-Day Cleaning Procedure.
2. Articulate the Table through **all** movements and clean all additional exposed surfaces during these articulations:
 - a. Hold can 6-8 inches from surface to be cleaned and spray cleaning fluid liberally on surface.
 - b. Wipe sprayed surfaces with a clean cloth dampened with water to remove cleaning fluid (dampening cloth will minimize streaking).
 - c. Wipe the cleaned surfaces again with a clean, damp, lint-free cloth to remove residue.

Monthly Preventive Maintenance

⚠ WARNING - EXPLOSION HAZARD: Do not use these tables in the presence of flammable gases or flammable anesthetics.

⚠ WARNING - FAILURE HAZARD:

- The safe and reliable operation of this equipment requires regularly scheduled preventive maintenance in addition to the faithful performance of the routine maintenance described in this manual. Contact STERIS Engineering Service to schedule preventive maintenance by an experienced, fully trained service technician.

- Repairs and adjustments must be performed only by experienced personnel, fully acquainted with this equipment. Maintenance done by inexperienced, unqualified personnel or installation of unauthorized parts could cause personal injury, invalidate the warranty, or result in costly damage. Contact your STERIS Engineering Service or sales representative regarding service options.

⚠ WARNING - PATIENT OR USER INJURY OR EQUIPMENT DAMAGE HAZARD: When moving the table, do not run the table into solid objects such as doors, doorways, walls, anchored equipment or other heavy equipment. Structural failure may result or damage may occur to the table which may result in later structural failure resulting in personal injury. This damage may not be immediately evident.

1. Service base assembly as follows (see Figure 6-1):
 - a. Raise tabletop to maximum height.
 - b. Remove socket-head screws (1/4") and raise base cover.
 - c. Secure base cover in raised position with blocking or by tying to table frame.
 - d. Lubricate the following floor lock items with *MOLYLITH HD* No. 2nd or equivalent.
 - Floor lock bar linkage interlocks
 - Floor lock posts and reamed holes in base
 - Bearings, shafts and other moving parts
 - e. Clean casters.
 - f. Inspect base assembly and hydraulic system for any sign of damage and loose or misaligned parts.
 - g. Lower and secure base cover.
2. Inspect tabletop assembly for any sign of damage and loose or misaligned parts.

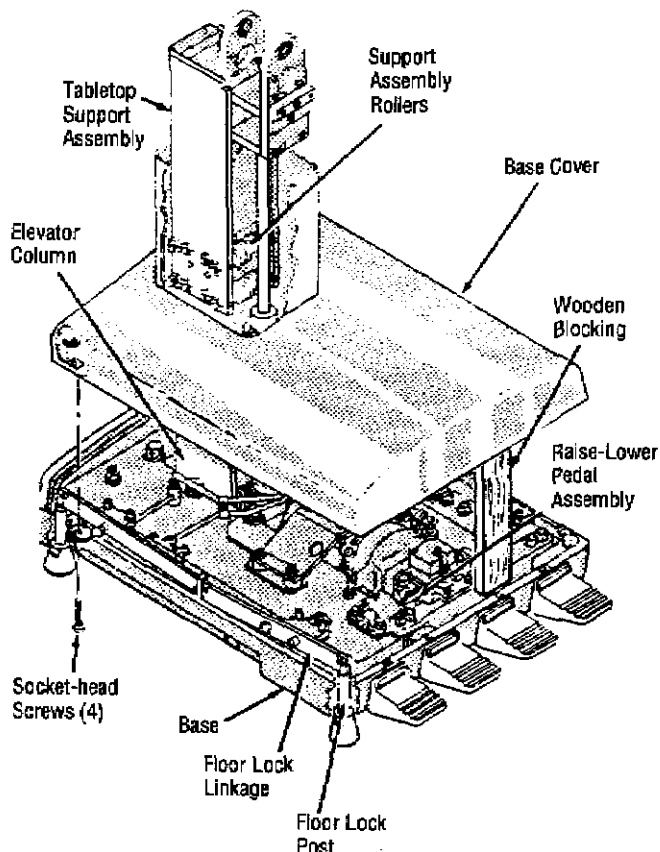


Figure 6-1. Base Assembly

*Mfr: Fiske Brothers Refining Co., Newark, NJ.

Quarterly Preventive Maintenance

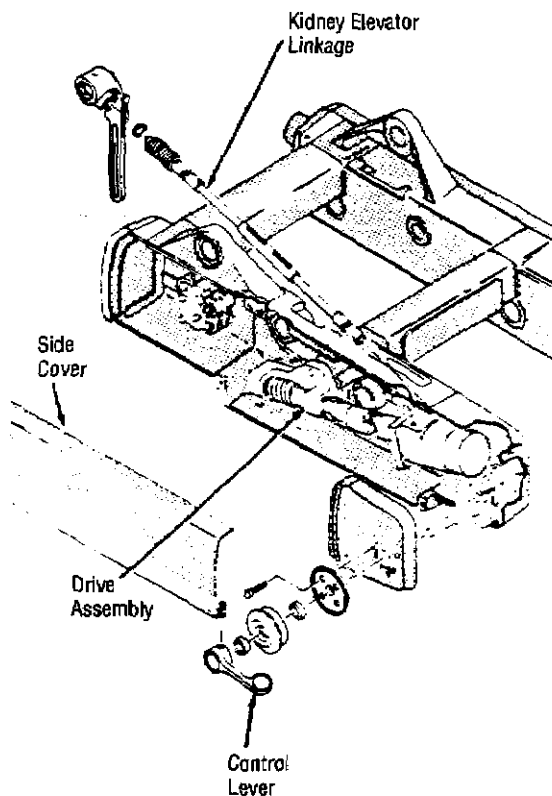


Figure 6-2. Trendelenburg Drive Assembly

1. Service tabletop drive assemblies as follows (see Figures 6-2 and 6-3):
 - a. Remove side covers.
 - b. Examine drive assemblies and linkage for any sign of damage and loose or misaligned parts.
 - c. Coat the following drive assembly items (both sides of Table) with *MOLYLITH HD No. 2* or equivalent.
 - Gears, worms and gear sectors
 - Bearings, bearing blocks, and shafts
 - d. Replace side covers.
2. Service lift assembly (see Figure 6-1) as follows:
 - a. Raise tabletop to maximum height.
 - b. Remove socket-head screws (1/4") and raise base cover.
 - c. Secure base cover in raised position with blocking or by tying it to Table frame.
 - d. Coat the two sides of elevator column on which tabletop support assembly rollers **do not** roll with *MOLYLITH HD No. 2* or equivalent.
 - e. Lubricate the following items with *MOLYLITH HD No. 2* or equivalent:
 - Tabletop Support Assembly Shafts and Bearings (keep roller sides of elevator column free of lubricant).
 - RAISE-LOWER Pedal Assembly Shafts, Levers and Connecting Links.
 - f. Lower and secure base cover.

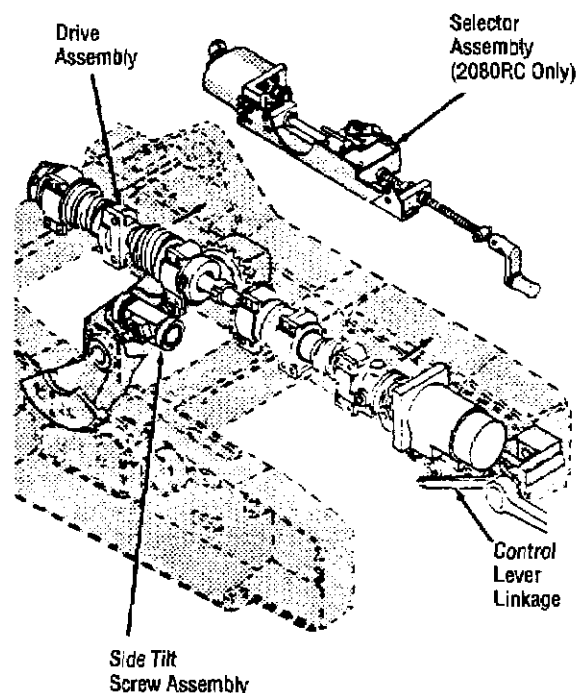


Figure 6-3. Posture Drive Assembly

Semi-Annual Preventive Maintenance

1. Service kidney elevator and tabletop positioning linkage (see Figure 6-4) as follows:
 - a. Coat the following items with *LUBRIPLATE No. 630 AA** or equivalent:
 - Kidney Elevator Gears
 - Headrest Cross Shaft and Ratchet Lever
 - b. Lubricate the following items with *LUBRIPLATE No. 630 AA* or equivalent:
 - Kidney Elevator Shafts
 - Leg and Back Section Cross Shafts
 - c. Lubricate the following items with a light coat of medium-grade lubricating oil:
 - Kidney Elevator Bearings and Universal Joints
 - Leg and Back Section Lever Arm Joints
2. Remove side covers from both sides of Table (Figures 6-2 and 6-3). Lubricate control lever linkage and 2080RC selector assembly screw shaft and cam with *MOLYLITH HD No. 2* or equivalent. Also coat selector assembly gears with same lubricant. Replace side covers.

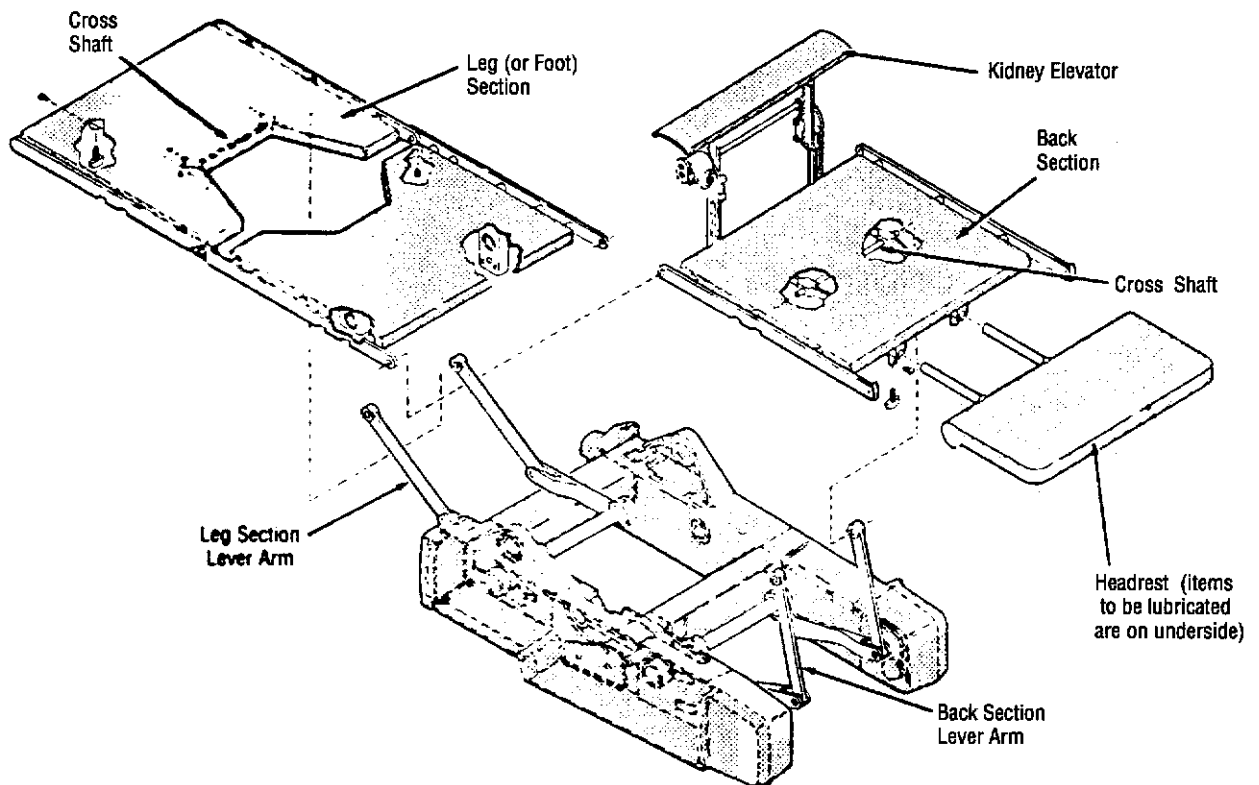


Figure 6-4. Kidney Elevator and Tabletop Sections

**Mfr: Fiske Brothers Refining Co., Newark, NJ.*

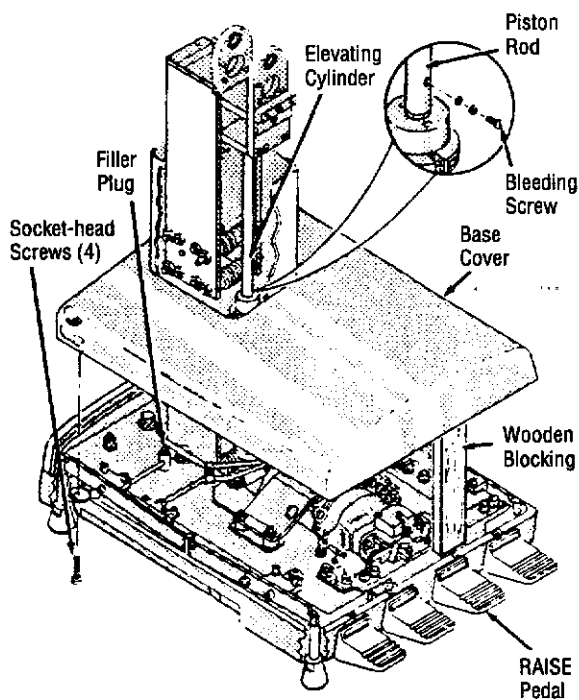


Figure 6-5. Hydraulic System

3. Check oil level and lubricate caster assemblies (see Figure 6-5) as follows:
 - a. Raise tabletop to maximum height.
 - b. Remove socket-head screws (1/4") and raise the base cover.
 - c. Secure base cover in raised position with blocking or by tying it to Table frame.
 - d. Remove filler plug and insert a clean piece of stiff cardboard or similar instrument into sump to check oil level. Instrument must touch bottom.
 - e. Normal oil level is 1-1/2" from bottom of sump. Add oil if level is 1/8" or more below normal; also, replace filler plug. Capacity of the hydraulic system is three quarts; do not overfill. Order and use the brand of hydraulic oil indicated on the sump decal.
 - f. Inject LUBRIPLATE No. 630AA or equivalent into fittings on sides of casters.
 - g. Lower and secure base cover.
4. If oil was added, operate Table. If operation is "spongy," bleed hydraulic system as follows:
 - a. Raise tabletop to maximum height.
 - b. Raise base cover to expose elevating cylinder. Secure cover in raised position.
 - c. Loosen bleeding screw (see Figure 6-5 inset) and depress the RAISE pedal. Allow fluid to flow until all trapped air has escaped. Tighten the screw; be sure it is completely recessed in piston rod.
 - d. Lower and secure base cover.
 - e. Completely lower, then raise tabletop. If any trapped air remains, Table will not operate smoothly and entire procedure must be repeated.

Please call your local STERIS representative if you encounter problems other than those mentioned below. The STERIS representative will promptly arrange to have your Table placed in proper working order by a factory-trained service technician.

NOTE: Never permit inexperienced, unqualified persons to attempt to make any repairs on your table.

The following guide is for maintenance personnel when minor problems occur.

1. Check building power supply if:
 - motor does not operate (on 2080 RC Table, Remote Control Unit "POWER" light is not on).
2. Check oil level and add oil if necessary (see Preventive Maintenance, Section 6) when:
 - motor operates but tabletop positions slowly; or
 - tabletop will not elevate to maximum height.
3. Bleed air from hydraulic system (see Preventive Maintenance, Section 6) if:
 - tabletop raises erratically.



WARNING: DISPOSAL HAZARDS IN TABLES: This product contains materials which may require disposal through appropriately licensed and permitted hazardous waste management firms.

The following materials are contained within Amsco 2080 L and 2080 RC Tables. When disposing of the Table or its parts, ensure the proper disposal of hazardous and other regulated waste in compliance with Federal, State, and local regulations.

- **Hydraulic Oil** – Chevron AW32 or equivalent, approximately 3 quarts, located in the sump, pump, lift cylinder, hoses and oil lines, and in valves, motors, and lines in Table side frames.
- **Lubricating Greases** – various types, minute amounts in bearing joints and on the column sliding surfaces.
- **Lead In Solder** – minute amounts, contained in solder in 2080 RC relay box on circuit boards, hand control, and in miscellaneous wiring connections throughout the Table.
- **Electronic (2080 RC) and Electrical Parts** – not known to require special disposal methods at time of editing of this manual.
- **Metal Parts** – made from aluminum, steel, cast iron, copper, and copper alloys, plastic, synthetic rubber, plating, and adhesives not known as requiring special disposal methods.

Protect your STERIS equipment with cost-effective extended service agreements

The best way to prevent costly downtime due to equipment malfunction is with regularly scheduled maintenance performed by qualified technicians trained in the latest technology. STERIS offers annual maintenance agreements to give your capital equipment planned maintenance that will help correct little problems before they become big ones. STERIS Engineering Service combines the precise maintenance program and factory-trained technicians to assure you of maximum productivity.

Our STERIS service technicians thoroughly inspect, clean, adjust and provide all necessary maintenance to keep your equipment performing according to factory specifications, all at an established economical rate that you can plan for.

We have more than 5,000 customers who are benefiting from STERIS maintenance agreements. Why not join them? Obtain complete details by calling 1-800-333-8828, or writing to:

STERIS®



STERIS Corporation
5960 Heisley Road
Mentor, OH 44060-1834 • USA
440-354-2600 • 800-JIT-4-USE (800-548-4873)